HP EliteBook 8770w Mobile Workstation

HP's most powerful mobile workstation

Power to perform.

Create masterful designs and jaw-dropping animations with workstation-caliber graphics by either AMD or NVIDIA. The HP EliteBook 8770w is ISV-certified so your mobile workstation runs smoothly and reliably.

Keep up with large files and critical projects with the incredible performance and responsiveness of an Intel® Core™ i7 quad-core or i7 or i5 dual-core processor.[1] Run demanding applications with up to four SODIMMS[2] and up to three hard disk drives[3] for improved performance and speed. This mobile workstation supports best-in-class, professional graphics with up to 4 GB of video memory.

View projects on the 17.3-inch diagonal HD[4] display. Expand your view to see multiple screens at once or enlarge your content across up to five displays for fine-tuning designs.[5]

Control color attributes across various devices throughout your development environments with HP DreamColor Technology.[3]

Creativity with business acumen.

Save time by quickly accessing your favorite files with Intel Smart Response Technology.[6] You'll also gain fast response times for system boot and application startup.

Engage in video conferences,[7] web-based trainings[8] or streaming videos with smooth audio quality. SRS Premium Sound PRO also allows you to share crisp, powerful sound directly from your workstation. Forget the extra speakers during your presentations.

Access the Internet and email in more places than ever with various wireless technologies[9] that keep you connected—from Wi-Fi CERTIFIED™ WLAN[9] to HP Mobile Broadband featuring 3G and 4G[3,10] and optional Bluetooth connectivity.[3]

Business on the run.

Work efficiently in dimly lit rooms or on red eye flights, thanks to the full-size, backlit keyboard.[3] When you invest in a computer this powerful, you want it to last. The HP EliteBook 8770w meets tough military standards (MIL-STD-810G) for drop, vibration, dust, temperature and altitude.[11]

HP recommends Windows.

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Form Factor	Mobile
Operating system	Preinstalled: Windows 8 Pro 64[12] Windows 7 Professional (available through downgrade rights from Windows 8 Pro)[13] Windows 7 Professional 32[14] Windows 7 Professional 64[14,15] Windows 7 Home Premium 64[14,15] (select countries) FreeDOS Supported: Windows XP Professional 32[14] Windows XP Professional 64[14,15] Windows 7 Enterprise 32[14] Windows 7 Enterprise 64[14,15] Windows 7 Ultimate 32[14] Windows 7 Ultimate 64[14,15] SUSE Linux Enterprise Desktop Red Hat Enterprise Linux (RHEL) Certified: SUSE Linux Enterprise Desktop Red Hat Enterprise Linux (RHEL)
Processor	3rd Generation Intel® Core™ i7 Quad-Core[1] with Turbo Boost Technology;[16] 3rd Generation Intel® Core™ i7 and i5 Dual-Core[1] with Turbo Boost Technology[16]
Chipset	Mobile Intel® QM77 Express Chipset (vPro™ support[17])
Memory	DDR3 SDRAM, 1600 MHz, dual-core processors support 2 memory slots and quad-core processors support 4 memory slots, 2/4/8 GB[18] SODIMMs, up to 32 GB total[2]
Internal Storage[19]	Primary Storage: 320/500/750 GB 7200 rpm SMART SATA II HDD, 500 GB 7200 rpm SED (Self Encrypting Drive), or SATA 6 Gb/s, 128/180 GB SSD, SATA 6 Gb/s, 256 GB SED SSD 2nd Primary Storage: 320/500/750 GB 7200 rpm SMART SATA II HDD, 500 GB 7200 rpm SED (Self Encrypting Drive), or SATA 6 Gb/s, 128/180 GB SSD, SATA 6 Gb/s, 256 GB SED SSD, RAID 0, 1, 5 support;[20] HP 3D DriveGuard[21]
Flash Cache	Optional Intel® 24 GB SLC mSATA cache module support Intel Smart Response Technology (available with non-SED HDD only)[3]
Upgrade Bay	12.7 mm SATA optical drive or hard drive: Blu-ray R/RE DVD+/-RW SuperMulti DL Drive,[3,22] Blu-ray ROM DVD+/-RW SuperMulti DL Drive,[3,22] DVD+/–RW SuperMulti DL Drive,[3,22] DVD-ROM Drive,[3] 500 GB 7200 rpm HDD;[3,19] or Weight saver
Display	17.3" diagonal LED-backlit WVA anti-glare, HD+[4] (1600 x 900); 17.3" diagonal LED-backlit WVA anti-glare, FHD[4] (1920 x 1080); 17.3" diagonal LED-backlit UWVA, anti-glare, FHD[4] DreamColor (1920 x 1080)[23]
Graphics	AMD FirePro™ M4000, with 1 GB dedicated GDDR5 video memory (AMD Eyefinity Technology for advanced multi-monitor support),[24] NVIDIA Quadro K3000M, with 2 GB dedicated GDDR5 video memory, NVIDIA Quadro K4000M, with 4 GB dedicated GDDR5 video memory, NVIDIA Quadro K5000M, with 4 GB dedicated GDDR5 video memory. NVIDIA Quadro mobile professional graphics support multiple monitors[24]
Audio/Visual	High Definition Audio (SRS Premier Sound PRO), integrated stereo speakers, stereo headphone/line out, stereo microphone in, optional 720p HD[4] Webcam,[3] integrated dual-microphone array
Wireless Support[3,8,9,10]	Optional HP hs2350 HSPA+ Mobile Broadband;[3] Optional HP un2430 EV-DO/HSPA Mobile Broadband[3] Broadcom 802.11a/b/g/n 2x2; Intel® Centrino Advanced-N 6205 802.11 a/b/g/n 2x2; Intel® Centrino Ultimate-N 6300, 802.11a/b/g/n 3x3; HP Integrated Module with Bluetooth® v4.0 Wireless Technology; HP Connection Manager
Communications	Integrated Intel® 82579LM Gigabit Network Connection (vPro™ support[17]), 56K v.92 modem[3]
Ports and Connectors	2 USB 3.0 ports, 2 USB 2.0 ports (1 charging),1 eSATA/USB 2.0 combo port,1 VGA,1 DisplayPort 1.2, 1 stereo microphone in, 1 stereo headphone/line out, 1 1394a, 1 power connector, 1 RJ-11(optional modem[3]), 1 RJ-45(Ethernet), 1 docking connector, 1 secondary battery connector, security lock slot
Expansion Slots	1 ExpressCard/54 slot, Secure Ditigal Media card slot – Supports SD, SDHC, SDXC; Integrated Smart Card Reader
Input Devices	Full-sized spill-resistant keyboard with numeric keypad, drains, backlit keyboard (optional, with two brightness settings), Image Sensor touchpad with scroll and gestures support; point stick, 4 discrete launch buttons (WLAN on/off, mute, Web braowser, calculator)
Software (Windows OS only)	HP Remote Graphics Software (pre-load), HP Power Assistant,[25] HP Recovery Manager, HP Support Assistant, Microsoft Office 2010 60 days trial (Windows 8); Microsoft Office Starter (Windows 7 only).[26] Corel WinDVD (select models), Roxio Secure Burn[27] (select models), Roxio MyDVD Business 2010 (select models), HP Performance Advisor Custom Integration Services provides tailor-made, turnkey solutions for Business Ready PCs.
Security	Standard: HP ProtectTools,[21] TPM Embedded Security Chip 1.2, HP Fingerprint Sensor, Pre-Boot Security, HP SpareKey (requires initial user setup), HP Disk Sanitizer,[28] Drive Encryption for HP ProtectTools, Credential Manager for HP ProtectTools, Face Recognition for HP ProtectTools,[29] File Sanitizer for HP ProtectTools,[28] Smart Card Reader, Security lock slot Optional: Computrace,[3,30] Central Management for HP ProtectTools[3,31]
Dimensions (w x d x h)	16.4 x 10.7 x 1.47 in (at front); 41.7 x 27.3 x 3.7 cm (at front)
Weight	Starting at 7.66 lb (3.47 kg) with SSD and weight saver (weight will vary by configuration)
Power	8-cell (83 WHr) Lithium-Ion battery, 8-cell (75 WHr) HP Long Life Battery (3-year),[32] optional HP ST09 Extended Life Notebook Battery (73 WHr), Optional HP BB09 Ultra Extended Life Notebook Battery (100 WHr), 200W HP Slim Smart AC Adapter, 230W HP Slim Smart AC Adapter, HP Fast Charge[33]
Expansion Solutions[3]	HP 230W Docking Station, HP 230W Advanced Docking Station, HP USB 2.0 Docking Station, HP Essential USB 2.0 Port Replicator, HP Dual Hinge Notebook Stand, HP Display & Notebook Stand, HP Adjustable Display Stand, HP Adjustable Dual Display Stand
Warranty	Limited 3-year and 1-year warranty options available, depending on country, 1-year limited warranty on primary battery. Optional HP Care Pack Services[3,34] are extended service contracts which go beyond your standard warranties. For more details visit: hp.com/go/lookuptool.

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1. Windows 8 Pro[12]
2. HD Webcam (optional)[3,4]
3. 17.3" diagonal display
4. Full-size keyboard with numeric keypad
5. Touchpad with scroll zone

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Screen image courtesy of Bandito Brothers.

1. Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
2. Four SODIMMS for a total of 32 GB of memory is available on quad-core systems only.
3. Sold separately or as an optional feature.
4. HD content required to view HD images.
5. HP offers discrete graphics configurations supporting up to five total displays through the advanced docking station. The advanced docking station is sold separately. AMD graphics supports five total displays, including the native notebook display. NVIDIA graphics supports up to four total displays, including the native notebook display.
6. Requires a compatible Intel® Core processor, enabled chipset, Intel® Rapid Storage technology software and non-SED HDD + optional mSATA SSD flash cache module. Intel® Smart Response Technology is only available on select 2012 HP systems. Depending on system configuration, results may vary.
7. Video conferencing is available on configurations with the optional 720p HD webcam.
8. Internet access required.
9. Wireless access point and Internet service required. Availability of public wireless access points limited.
10. Wireless use requires separately purchased service contract. Check with your local vendor for coverage area and availability in your area. Connection and speeds will vary due to location, environment, network conditions, and other factors. 4G compatibility with HSPA+ and LTE. 4G LTE is only available in the United States and requires Windows 7.
11. Testing was not intended to demonstrate fitness for DOD contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions.
12. Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See microsoft.com for details.
13. This system is preinstalled with Windows 7 Pro software and also comes with a license and media for Windows 8 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
14. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. Not all features are available in all editions of Windows 7. See microsoft.com/windows/windows-7/ for details.
15. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See intel.com/info/em64t for more information. Quad Core is designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefit. Not all customers or software applications will necessarily benefit from use of this technology. Intel's numbering is not a measurement of higher performance.
16. Intel® Turbo Boost 2.0 technology requires a PC with a processor with Intel Turbo Boost 2.0 capability. Intel Turbo Boost 2.0 performance varies depending on hardware, software and overall system configuration. See intel.com/technology/turboboost for more information.
17. Some functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.
18. Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
19. For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) of system and up to 30 GB (for Windows 8) disk is reserved for system recovery software.
20. Raid 5 requires 3 hard disk drives in primary storage, second primary storage and upgrade bay.
21. Microsoft Windows required.
22. Blu-ray contains new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require an HDMI digital connection and your display may require HDCP support. HD DVD disks cannot be played on this drive. Note that DVD-ROM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided – Version 1.0 media. Actual speeds may vary. Don't copy copyright-protected materials. Double Layer discs can store more data than single layer discs; discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.
23. HP EliteBook 8770w with DreamColor panel cannot be configured with WWAN.
24. AMD Eyefinity Technology supports up to 5 total displays and requires separately purchased HP Advance Docking Station. NVIDIA Quadro mobile professional graphics support up to 4 total displays and requires separately purchased HP Advance Docking Station.
25. Power calculations and cost calculations are estimates. Results will vary based on variables, which include information provided by the user, time PC is in different power states (on, standby, hibernate, off), time PC is on battery or AC, hardware configuration, variable electricity rates and utilities provider. HP advises customers to use information reported by HP Power Assistant for reference only and to validate impact in their environment. Environmental calculations were based on U.S. EPA eGrid 2007 data found at epa.gov/egrid/. Regional results will vary. Microsoft Windows required.
26. Includes reduced functionality versions of Word and Excel. Purchase of Product Key required to activate full Office 2010 suite available at participating resellers/retailers and office.com.
27. Do not copy copyright-protected materials.
28. For the use cases outlined in the DOD 5220.22-M Supplement. Does not support Solid State Drives (SSDs). Initial setup required. Web history deleted only in Internet Explorer and Firefox browsers and must be user enabled.
29. Microsoft Windows and webcam required.
30. The Computrace agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S.
31. In order to deploy policies the client needs to be connected to the network. Requires connectivity to the DigitalPersona server to receive updated policies. System access may not prevent users from logging into the system on the first attempt if policy updates haven't yet been received and applied. This functionality blocks network access from the user's PC.
32. Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark07 battery benchmark bapco.com/products/mobilemark2007 for additional details.
33. Fast Charge Technology recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to the HP Ultra-Capacity or 9-cell batteries. When the PC is powered on, charge time may increase and will vary based on the workload of the notebook PC.
34. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit hp.com/go/lookuptool.

Learn more

hp.com/zworkstations

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